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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Bermudes et al.

Application No.: 09/645,415

Group Art Unit: 1614

Filed: August 24, 2000

Examiner: To be assigned

For: COMPOSITIONS AND METHODS FOR

Attorney Docket No.: 8002-059

TUMOR-TARGETED DELIVERY OF

EFFECTOR MOLECULES

<u>INFORMATION DISCLOSURE STATEMENT</u> <u>UNDER 37 C.F.R. §§ 1.56 AND 1.97</u>

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. §§ 1.56 and 1.97 to inform the Patent Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of any claim of the application, Attorneys for Applicants hereby invite the Examiner's attention to the references AA-EZ listed on the attached revised form PTO 1449 entitled "List of References Cited by Applicant." Copies of references AA-EZ are submitted herewith.

Identification of the listed references is not meant to be construed as an admission of Applicants or Attorneys for Applicants that such references are available as "prior art" against the subject application. Consequently, Applicants respectfully decline to use form PTO-1449, since this form identifies all of the references cited therein as "Prior Art." As an alternative, Applicants submit herewith several pages of a "revised form PTO 1449" entitled "List of References Cited" instead of "List of Prior Art Cited".

Applicants respectfully request that the Examiner review the foregoing references and that the references be made of record in the file history of the application.

Pursuant to 37 C.F.R. § 1.97(b), since it is believed that this information disclosure statement is being filed before the mailing date of a first Office Action on the merits, no fee is due in connection herewith. However, should the Patent Office determine

otherwise, please charge the required fee to Pennie & Edmonds LLP deposit account no. 16-1150. A duplicate copy is enclosed for accounting purposes.

Respectfully submitted,

Date August 24, 2001

Heraldine F. Baldwin 31,232

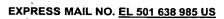
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Enclosures

By: Jerniger Jr Chheda Reg No. 46,617





LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

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ATTY, DOCKET NO.	APPLICATION NO.	
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			U.S	PATENT DOCUMENTS			
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIAT
<u> </u>	AA	4,436,727	3/13/84	Ribi	_		
	AB	5,021,234	6/4/91	Ehrenfeld			
	AC	5,344,762	9/6/94	Karapetian	4		
	AD	5,824,538	10/20/98	Branstrom			منه مدريسيين
	AE	6,080,849	9/10/97	Bermudes et al.			
	EK	5,997,881	12/7/99	Powell et al.			
	EL	6,150,170	11/21/00	Powell et al.			
	EM	09/645,418		Bermudes et al.			8/24/00
	ES	5,877,159	3/2/99	Powell et al.			
	•		FOREI	GN PATENT DOCUMENTS			
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATIO
	AF	WO 9106317	5/16/91	PCT	•		YES N
	AG	WO 9211361	7/9/92	PCT	,		
	AH	WO 9502048	1/19/95	PCT			
I	Al	WO 9611277	4/18/96	РСТ			
	AJ	WO 9640238	12/19/96	РСТ			
	AK	WO 9718837	5/29/97	РСТ			
	AL	WO 9719688	6/5/97	РСТ			<u> </u>
	AM	WO 9725061	7/17/97	РСТ			
	AN	WO 9833923	8/16/98	РСТ			
	EN	WO 9634631	11/7/96	РСТ			
	EO	WO 9718225	5/22/97	РСТ			
	EP	WO 9853854	12/3/98	РСТ			
	EQ	WO 9913003	3/18/99	PCT			
	ER	WO 9952563	10/21/99	РСТ			,
		OTHER REF	ERENCES (Inc	luding Author, Title, Date, Pertinent Pages, Etc.)			
	AO		Measuring Che	motaxis and Use of the Method to Determine Optin	num Cond	litions for C	hemotaxis
	AP	Alizadeh et al., 1994, "Apo Immun. 62:1298-1303.	ptosis as a Med	hanism of Cytolysis of Tumor Cells by a Pathogeni	c Free-Liv	ing Amoeba	a", Infect.

MR 7 4 500.	ğ	
COADEMAS	S AQ	Anderson et al., 1996, "Development of attenuated Salmonella strains that express heterologous antigens", Methods in Molecular Medicine: Vaccine protocols, ed. Robinson A, Farrar G, Wiblin C., Humana Press New Jersey, pp.47-62
	AR	Bagshaw , 1995, "Antibody-Directed Enzyme Prodrug Therapy: A Review", Drug Dev. Res. 34:220-230.
	AS	Barry et al., 1995, "Protection Against Mycoplasma Infection Using Expression-Library Immunization", Nature 377:632-635.
	AT	Barth and Morton, 1995, "The Role of Adjuvant Therapy in Melanoma Management", Cancer 75 (Suppl.):726-734.
	AU	Berggren, 1995, "Recombinant Salmonella as an Oral HIV Vaccine", NIH Project Number 5 K08 Al01248-02.
	AV	Bermudes et al., 2000, "Tumor targeted Salmonella. Strain development and expression of the HSV TK effector gene" Gene Therapy, Methods and Protocols, Vol. 35, 419-436
an e e e e	AW	Bermudes et al., 2000, 'Tumor-targeted Salmonella. Highly selective delivery vectors", Advances in Exp. Med. And Bio. 465: 57-63
	AX	Bone, 1993, "Gram-Negative Sepsis: A Dilemma of Modern Medicine", Clin. Microbiol. Rev. 6:57-68.
	AY	Bonnekoh et al., 1995, "Inhibition of Melanoma Growth by Adenoviral-Mediated HSV Thymidine Kinase Gene Transfer in vivo", J. Invest. Derm. 104:313-317.
Y.,	AZ	Carey et al., "Clostridial Oncolysis in Man", Eur. J. Cancer 3:37-46
	ВА	Carrier et al., 1992, "Expression of Human IL-1β in <i>Salmonella typhimurium</i> ; a Model System for the Delivery of Recombinant Therapeutic Proteins in vivo", J. Immunol. <u>148</u> :1176-1181
	ВВ	Carswell et al., 1975, "An Endotoxin-Induced Serum Factor that Causes Necrosis of Tumors", Proc. Natl. Acad. Sci. USA 72:3666-3670
	ВС	Chabalgoity et al., 1996, "A Salmonella typhimurium htrA Live Vaccine Expressing Multiple Copies of a Peptide Comprising Amino Acids 8-23 of Herpes Simplex Virus Glycoprotein D as a Genetic Fusion to Tetanus Toxin Fragment C Protects Mice from Herpes Simplex Virus Infection", Mol. Microbiol. 19:791-801
	BD	Chen et al., 1999, "Liposomes complexed to plasmids encoding angiostatin and endostatin inhibit breast cancer in nude mice", Cancer Res. <u>59</u> (14):Abstract.
	BE	Christ et al., 1995, "E5531, a Pure Endotoxin Antagonist of High Potency", Science 268:80-83.
	BF	Clairmont et al., 2000, "Biodistribution and genetic stability of the novel antitumor agent VNP 20009, a genetically modified strain of Salmonella typhimurium", J. Infect. Diseases 181:1996-2002
	BG	Clements, 1995, "Attenuated Salmonella as Vaccine Vectors", NIH Project Number 5 R01 AI 28835-06.
	вн	Clementz et al., 1997, "Function of the <i>Escherichia coli msbB</i> Gene, a Multicopy Suppressor of <i>htrB</i> Knockouts, in the Acylation of Lipid A", J. Biol. Chem. <u>272(</u> 16):10353-10360.
	ВІ	Cunningham et al., 1992, "Actin-Binding Protein Requirement for Cortical Stability and Efficient Locomotion", Science 255:325-327.
	BJ	Curtiss, 1994, "Avirulent Salmonella Host-Vector Vaccine Systems", NIH Project Number 1 R41 Al36585-01.
	ВК	Curtiss, 1995, "Biological Containment of Live Bacterial Vaccines", NIH Project Number 1 R41 Al38599-01.
	BL	Eisenstadt, 1987, "Analysis of Mutagenesis", from <u>Escherichia coli and Salmonella typhimurium,</u> Cellular and <u>Molecular</u> <u>Biology</u> , Neidhardt et al. (ed.), pp. 1016-1033.
	вм	Eisenstein et al., 1995, "Immunotherapy of a Plasmacytoma with Attenuated Salmonella", Med. Oncol. 12:103-108
	BN	Engel et al., 1992, "Murein-metabolizing enzymes from <i>Escherichia coli</i> : existence of a second lytic transglycosylase", J. Bacteriol. <u>174</u> :6394-6403
	во	Engelbart and Gericke, 1963, "Oncolysis by Clostridia. V. Transplanted Tumors of the Hamster", Cancer Res. 24:239-243
	ВР	Falkow, 1991, "Bacterial Entry into Eukaryotic Cells", Cell 65:1099-1102
	BQ	Fields et al., 1989, "A Salmonella locus that controls resistance to microbiocidal proteins from phagocytic cells." Science 243:1059-1062
	BR	Fields et al., 1986, "Mutants of Salmonella typhimurium that cannot survive within themacrophage are avirulent". Proc. Natl Acad Sci USA, 83:5189-5193
	BS	Fox t al., 1996, "Anaerobic Bacteria as a Delivery System for Cancer Gene Therapy: in vitro Activation of 5-Fluorocytosine by Genetically Engineered Clostridia", Gene Therapy 3:173-178
	вт	Friberg, 1993, "BCG in the Treatment of Superficial Cancer of the Bladder: A Review", Med. Oncol. Tumor Pharmacother. 10:31-36

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<u> </u>	<u> </u>	
TRADENS	BU	Galan et al., 1990, "Cloning and characterization of the asd gene of Salmonella typhimurium: use in stable maintenance of recombinant plasmids in Salmonella vaccine strains", Gene 94:29-35
	BV	Galan, 1995, "Novel Salmonella Antigen Delivery Vectors", NIH Project Number 5 R01 Al36520-02.
	BW	Gericke and Engelbart, 1963, "Oncolysis by Clostridia. II. Experiments on a Tumor Spectrum with a Variety of Clostridia in Combination with Heavy Metal", Cancer Res. 24:217-221
	вх	Gulig, 1994, "Salmonella typhimurium Virulence Plasmid", NIH Project Number 5 R29 Al28421-05
	BY	Hall et al., 1994, "Induced Regression of Bovine Papillomas by Intralesional Immunotherapy", Therapeutic Immunol. 1:319-324
	BZ	Han et al., 1967, "Salmonellosis in Disseminated Malignant Diseases", New Eng. J. Med. 276:1045-1052.
• • •	ÇA	Hoiseth and Stocker, 1981, "Aromatic dependent Salmonella typhimurium are non virulent and effective as live vaccines", Nature 291: 238-239
	СВ	Jain, 1994, "Barriers to Drug Delivery in Solid Tumors", Sci. American <u>271</u> :58-65.
	СС	Jones et al., 1992, "Invasion by Salmonella typhimunum is Affected by the Direction of Flagellar Rotation", Infect. Immun. 60:2475-2480.
	CD	Karow and Georgopoulos, 1992, "Isolation and Characterization of the <i>Escherichia coli msbB</i> Gene, a Multicopy Suppresssor of Null Mutations in the High-Temperature Requirement Gene htrB", J. Bacteriol. 174:702-710
	ĊE	Kelley et al., 1993, "The firA gene o E. coli encodes UDP-3-O-(R-3-hydroxymyristoyl)-glucosamine –acetyltransferase", J. Biol. Chem. <u>268</u> :19866-19874
	CF	Khan et al., 1998, "A lethal role for lipid A in Salmonella Infections", Mol. Microbiol. 29(2):571-579
	CG	King et al., 1998, "Tumor targeted Salmonella expressing cytosine deaminase converted 5-fluorocytosine to 5-fluorouricil and inhibited tumor growth in vivo", Proc. Of the Amer. Assoc. for Can. Res. 39:512
	СН	King et al., 2000, "Tumor Therapy using Salmonella", Emerging Drugs 5:211-219
	CI	Klimpel et al., 1990, "Bacteria-Infected Fibroblasts have Enhanced Susceptibility to the Cytotoxic Action of Tumor Necrosis Factor", J. Immunol. 145:711-717
	Cl	Lee et al., 1992, "Identification of a Salmonella typhimurium Invasion Locus by Selection for Hyperinvasive Mutants", Proc. Natl. Acad. Sci. USA 89:1847-1851
	. CK	Lemmon et al., 1994, "Anaerobic Bacteria as a Gene Delivery System to Tumors", Proc. Am. Assn. Cancer Res. 35:374 (Abstract 2231)
	CL	Lemmon et al., 1997, "Anaerobic Bacteria as a Gene Delivery System that is Controlled by the Tumor Microenvironment", Gene Therapy, 4:791-796.
	СМ	Levine, 1995, "Recombinant and Live Oral Salmonella typhi Vaccines", NIH Project Number 5 R01 Al29471-06.
	CN	Lindgren et al., 1996, "Macrophage killing is an essential virulence mechanism of <i>Salmonella typhimurium</i> ", PNAS, <u>93(9)</u> 4197-4201
	со	Loppnow et al., 1990, "Cytokine Induction by Lipopolysaccharide (LPS) Corresponds to Lethal Toxicity and is Inhibited by Nontoxic Rhodobacter capsulatus LPS", Infect. Immun. 58:3743-3750
	СР	Low et al., 1999, "VNP20009, a genetically modified Salmonella Typhimurium for treatment of solid tumors", Proc. Amer. Asso. For Can. Res. 40:87
· · · · · · · · · · · · · · · · · · ·	ca	Low et al., 1999, "Lipid A mutant Salmonella with suppressed virulence and TNFa induction retain tumor-targeting in vivo", Nature Biotechnology, 17:37-41.
	CR	Lytvyn et al., 1992, "Comparison of the Thymidine Kinase Genes from Three Entomopoxviruses", J. Gen. Virol. 73:3235-3240
<u> </u>	cs	Macnab, 1992, "Genetics and Biogenesis of Bacterial Flagella", Ann. Rev. Genet. 26:131-158.
	СТ	Mahan et al., 1993, "Selection of Bacterial Virulence Genes that are Specifically Induced in Host Tissues", Science 259:686-688
	cu	Marr et al., 1997, "Tumor immunothereapy using an adenoviral vector expressing a membrane-bound mutant of murine TNF alpha", Gene Therapy 4(11): Abstract
	cv	McLaughlin et al., 1979, "Synergistic Activity of Components of Mycobacteria and Mutant Salmonella in Causing Regression of Line-10 Tumors in Guinea Pigs", Cancer Res. 39:1766-1771
	cw	Michalek, 1994, "Genetically Engineered Oral Vaccines and Caries Immunity", Abstract, NIH Project Number 5 R01 DE09081-05
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1884	² cx	Miller, 1995, "Entry into Eukaryotic Cells by Salmonella and Yersinia", NIH Project Number 5 K04 Al01230-02
RADEMARY	CY	Miller et al., 1992, "An Unusual pagC::TnphoA Mutation Leads to an Invasion- and Virulence-Defective Phenotype in Salmonellae", Infect. Immun. 60:3763-3770
	cz	Miller et al., 1989, "A Two-Component Regulatory System (phoP phoQ) Controls Salmonella typhimurium Virulence", Proc. Natl. Acad. Sci. USA 86:5054-5058
	. DA	Minton et al., 1995, "Chemotherapeutic Tumor Targeting Using Clostridial Spores", FEMS Micro. Rev. 17:357-364
	DB	Möse and Möse, 1963, "Oncolysis by Clostridia. I. Activity of <i>Clostridium butyricum</i> (M-55) and Other Nonpathogenic Clostridia Against the Ehrlich Carcinoma", Cancer Res. <u>24</u> :212-216
	DC	Mullen et al., 1992, "Transfer of the Bacterial Gene for Cytosine Deaminase to Mammalian Cells Confers Lethal Sensitivity to 5-Fluorocytosine: a Negative Selection System", Proc. Natl. Acad. Sci USA 89:33-37
	DD	Nauts et al., 1953, "A Review of the Influence of Bacterial Infection and of Bacterial Products (Coley's Toxins) on Malignant Tumors in Man", Acta Medica Scandinavica 145 (Suppl. 276):1-105
	DE	O'Callaghan et al., 1988, "Characterization of aromatic and purine dependent Salmonella typhimurium: Attenuation, persistence, and ability induce protective immunity in BALB/c mice", Infect. And Immun, 56:419-423
	DF	Pan et al., 1995, " A Recombinant <i>Listeria monocytogenes</i> Vaccine Expressing a Model Tumor Antigen Protects Mice Against Lethal-Tumor Cell Challenge and Causes Regression of Established Tumors", Nature Medicine 1:471-477
	DG	Parker et al., 1947, "Effect of Histolyticus Infection and Toxin on Transplantable Mouse Tumors", Proc. Soc. Exp. Biol. Med. 16124:461-467
3-4	DH	Pawelek et al., 1995, "Macrophage Characteristics of Metastatic Melanoma", J. Invest. Dermatol. 104:605 (Abstract 304)
	DI	Pawelek et al., 1997, "Tumor-targeted Salmonella as a Novel Anti-cancer Vector", Cancer Res., 57:4537-4544.
	DJ	Pidherney et al., 1993, "In vitro and in vivo Tumoricidal Properties of a Pathogenic Free-Living Amoeba", Cancer Letters 72:91-98
	DK .	Platt et al., 2000, "Anti tumor effects of genetically engineered Salmonella in combinationwithradiation ", Eur. J. Cancer, 36: 2397-2402
	DL ·	Pugsley, 1988, "Protein Secretion Across the Outer Membrane of Gram-Negative Bacteria" In: <u>Protein Transfer and Organelle Biogenesis</u> , D and Robbins (eds.), Academic Press, Inc., Harcourt Brace Jovanovich, Publishers, San Diego, pp. 607-652
	DM	Raue and Cashel, 1975, "Regulation of RNA Synthesis in Escherichia coli", Biochimica et Biophysica Acta 383:290-304
	DN	Reinhard et al., 1950, "Chemotherapy of Malignant Neoplastic Diseases", JAMA 142:383-390
*	~DO	Saltzman et al., 1996, "Attenuated <i>Salmonella typhimurium</i> Containing Interleukin-2 Decreases MC-38 Hepatic Metastases: a Novel Anti-Tumor Agent", Cancer Biotherapy and Radiopharmaceuticals 11:145-153
	DP	Schafer et al., 1992, "Induction of a Cellular Immune Response to a Foreign Antigen by a Recombinant <i>Listeria</i> monocytogenes Vaccine", J. Immunol. 149:53-59
	DQ	Schlechte and Elbe, 1988, "Recombinant Plasmid DNA Variation of Clostridium oncolyticum - Model Experiments of Cancerostatic Gene Transfer", Zbl. Bakt. Hyg. A 268:347-356
	DR	Schlechte et al., 1982, "Chemotherapy for Tumours Using Clostridial Oncolysis, Antibiotics and Cyclophosphamide: Model Trial on the UVT 15264 Tumor", Arch. Geschwulstforsch. 52:41-48
	DS	Shaw et al., 1991, "The Human Dioxin-Inducible NAD(P)H: Quinone Oxidoreductase cDNA-Encoded Protein Expressed in COS-1 Cells is Identical to Diaphorase 4", Eur. J. Biochem. 195:171-176
	DT	Sizemore et al., 1995, "Attenuated Shigella as a DNA Delivery Vehicle for DNA-Mediated Immunization", Science 270:299-302
	DU	Sizemore et al., 1997, "Interaction- of salmonella typhi strains with cultured human monocyte-derived macrophages", Infect. Immunity 65:309-312
	DV	Slauch et al., 1994, "In vivo Expression Technology for Selection of Bacterial Genes Specifically Induced in Host Tissues", Meth. Enzymol. 235:481-492
	DW	Somerville et al., 1996, "A Novel <i>Escherichia coli</i> Lipid A Mutant that Produces an Antiinflammatory Lipopolysaccharide", J. Clin. Invest. <u>97</u> :359-365
	DX	Sosnowski et al., 1994, "Complications of Bacillus Calmette-Guerin (BCG) Immunotherapy in Superficial Bladder Cancer", Comp. Ther. 20:695-701
	DY	Sternberg and Maurer, 1991, "Bacteriophage mediated generalized transduction in Escherichia coli and Salmonella typhimurium", Methods in Enzymology, 204:18-43

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RADEM	er Sy	Su et al., 1992, "Extracellular Export of Shiga Toxin B-Subunit/Haemolysin A (C-terminus) Fusion Protein Expressed in Salmonella typhimurium aroA-Mutant and Stimulation of B-Subunit Specific Antibody Responses in Mice", Microbial Pathogenesis 13:465-476
	ĒĀ	Sunshine et al., 1997, "Mutation of the htrB Gene in Virulent Salmonella typhimurium Strain by Intergeneric Transduction: Strain Construction and Phenotypic Characterization", J. Bacteriol., 179(17):5521-5533.
	EB	Sznol et al., 2000, "Use of preferentially replicating bacteria for treatment of cancer", J. Clinical Invest., 105:1027-1030
	EC	Takayma et al., 1989, "Diphosphoryl Lipid A from <i>Rhodopseudomonas sphaeroides</i> ATCC 17023 Blocks Induction of Cachectin in Macrophages by Lipopolysaccharide", Infect. Immun. <u>57</u> :1336-1338
	ED	Thiele et al., 1963, "Oncolysis by Clostridia. IV. Effect of Nonpathogenic Clostridial Spores in Normal and Pathological Tissues", Cancer Res. <u>24</u> :234-238
	EE	Thiele et al., 1963, "Oncolysis by Clostridia. III. Effects of Clostridia and Chemotherapeutic Agents on Rodent Tumors", Cancer Res. 24:222-232
1	EF	Tuomanen, 1993, "Subversion of Leukocyte Adhesion Systems by Respiratory Pathogens", Am. Soc. Microbiol. 59:292-296
	EG	Vaara et al., 1999, ""Outer membrane permeability barrier in Escherichia coli mutants that are defective in the late acyltransferases of lipid A biosynthesis", J. Bacteriol. 43(6):1459-1462
چ <u>ن</u> سپه میدند پیسر	EH	Vinopal, 1987, "Selectable Phenotypes", from Escherichia coli and Salmonella typhimurium, Cellular and Molecular Biology, Neidhardt et al. (ed.), pp. 990-1015
	, El	Wolfe et al., 1971, "Salmonellosis in Patients with Neoplastic Disease", Arch. Intern. Med. 128:547-554
	EJ	Zheng et al., 1997, "Attenuated Salmonella typhimurium inhibited umor metastasis in vivo" Proc Amer Assoc. Can Res. 38:9
	ET	Somerville et al., 1999, "Escherichia coli msbB Gene as a Virulence Factor and a Therapeutic Target", Infect. And Immunity 67(12): 6583-6590
	EÚ	Lee et al., 2000, "Comparative evaluation of theacute toxic effects in monkeys, pigs, and mice of a genetically engineered Salmonella strain (VNP20009) being developed as an anti-tumor agent", Int. J. of Toxicology, 19:19-25
	EV	Luo et al., 1999, "Genetically modified Salmonella typhimurium inhibited growth of primary tumors and metastases", Abstract #3146. Proc. Amer. Assoc. For Cancer Res. 40:476
	EW	Tacket et al., 1992, "Comparison of the safety and immunogenicity of aroC aroD and cya crp Salmonella typhi strains in adult volunteers", Infect. Immun., 60:536-541
	EX	Hohmann et al., 1996, "Evaluation of a phoP/phoQ-deleted, aroA-deleted live oral Salmonella typhi vaccine strain in human volunteers", Vaccine 14:19-24
	EY	Tacket et al., 1997, "Safety of live oral Salmonella typhi vaccine strains with deletions in htrA and aroCaroD and immune response in humans", Infect. Immun, 65(2):452-456
***	EZ	Tacket et al., 2000, "Phase 2 clinical trial of attentuated Salmonella enterica serovar typhi oral live vector vaccine CVD 908-htrA in US volunteers", Infect. Immun. 68(3):1196-1201

EXAMINER

DATE CONSIDERED

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.